



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: First Tuesday of the month.
- The RARS net meets every night @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:30 p.m. or following the RARS net.
- RARS meets for a monthly dinner on the 2nd Tuesday of each month.

PUBLIC SERVICE EVENTS

A huge thank you to everyone who provided communications, SAG vehicles, and other help at any and all of the events in which RARS participates. Check back here for 2013 public service events.

RARS General Meeting

What: General Meeting--"2012 Sable Island CY0 DXpedition" by Ron Oates AA4VK & Murray Adams WA4DAN

Date: Tuesday, February 5, 2013

Time: Refreshments, 7:00 p.m.; meeting, 7:30 p.m.

Where: First Alliance Church, 4400 Buffaloe Rd., Raleigh, N.C.

VE Test Session



Don't miss this year's North Carolina QSO Party

Revised, more convenient operating time

14 newly designed First Place Plaques

VHF Added this year

Battleship North Carolina will be on the air - NI4BK

Many rare counties to be activated

New Expedition Class plus additional QRP awards

New, easy
log submission

73 es GL



visit
www.ncqsoparty.org
for
details

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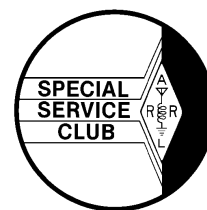
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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.



Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Cathy Downs, KA3QPU, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: First Tuesday of each month
(except for January 2013)

Location: First Alliance Church
4400 Buffaloe Road
Raleigh, N.C.

Time: People begin arriving at 7 p.m.
The meeting officially begins at
7:30 p.m.

RARS Monthly Dinner

Join us on the second Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Listen to the nightly RARS net and check www.rars.org for details on the next dinner's location.

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

VE Testing

The RARS VEs will accept walk-in testing at the February, May, August, and November RARS meetings; the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your \$14 exam fee, and any CSCEs you have for credit. Visit www.rars.org for

Message from the President

Happy New Year! I am looking forward to the upcoming year, and it is hoped that you are, too!

There are lots of RARS activities scheduled, including a great line-up of speakers at the RARS monthly meetings; two Technician licensing classes (February 2 and 9, February 16 and March 12); the NC QSO Party (February 24); RARSfest (March 30); the NC MakerFaire (June 15); and, ARRL Field Day (June 22-23). Hopefully, I haven't forgotten any!

And, there are lots of opportunities to get involved in public service activities! The first public service event is the NC Odyssey of the Mind 2013, which will be held on Saturday, March 2, in Chapel Hill, NC.

For further information, please see the RARS website, www.rars.org.

73, Karl W4CHX

In sympathy

We wish to report the recent passing of Edward Breeden, N4SSU, of Raleigh. Ed and his wife, Noble, N4UOQ, had been longtime RARS members. Ed's particular interest was in the activities of the Tarheel Scanner Short Wave Listeners Group.

A \$50 donation was made to the RARS Youth Education fund in memory of Ed N4SSU. If you would like to make a donation, please contact Greg KE4PAX at 919.859.0029 or ke4pax@arrl.net.

Technician Classes Now Scheduled

By Murray Merner, K4MHM
RARS Education Director

RARS is offering two two-day Technician Class License Courses. Each session is about four hours long.

Feb. 2 and Feb. 9

Starting time is 8:00 a.m. The location is the Carolina Preserve—Bradford Hall, 115 Allforth Place, Cary, NC 27519, [\(919\) 467-7837](tel:9194677837). The primary student group is the Cary Community Emergency Response Team (CERT), and the public is welcome.

Feb. 16 and Mar. 2

Starting time is 9:00 a.m. The location is in the Mini Theater (room 2324 on second floor in the west wing) of DH Hill Library, 2 Broughton Drive, NC State University. The best places to park will be either along Hillsborough Street or at the Dan Allen Parking Deck (which is free on Saturday).

Directions to library

From Hillsborough turn onto campus via Lampe Dr., turn onto Founders Dr., slight right back on to Lampe Dr., turn right onto W. Broughton.

Directions to Dan Allen Parking

From Hillsborough take Dan Allen Dr. Here's a campus map: http://www.ncsu.edu/campus_map/north.htm.



[campus_map/north.htm](http://www.ncsu.edu/campus_map/north.htm)). The primary student group is the Commercial Space Club, and the public is welcome.

An exam opportunity will be provided after each second session. Tests may be taken at other regularly scheduled times.

The cost for the course is \$30.00 including the ARRL Ham Radio License Manual - Level 1 Technician. A current edition of this manual is required for the course. If the student already has the current

manual, the course is \$10.00. The test fee is \$14.00, which is paid to W5YI. Please bring exact change for each.

The volunteer instructor is Mike Murphy, WA4BPJ, and the volunteer examiners are led by Joe, WA4GIR, and Liz, KO4CK, White.

Please let me know if you plan to attend: Murray Merner, K4MHM, at mmmm0320@gmail.com or [919.803.7973](tel:9198037973). Feel free to contact me if you have any questions.

December Traffic Stats

RARS Two Meter Traffic/ Ragchew Net

Check-ins: 504
Traffic: 29/20
Minutes: 490
Sessions: 31

Special Interest Nets

Check-ins: 95
Minutes: 355
Sessions: 11

NC QSO Party

By Marty Young, W4MY

NCQP Chairman

All the planning and preparation is about to be tested—the NC QSO Party is upon us! I hope everyone has set aside Sunday, February 24, 2013, to get on the air and represent North Carolina in fine style.

RARS is the official sponsor of NCQP, which is an on-air event. Everyone outside N.C. works only stations in our state to accumulate points with the hope of winning a plaque or certificate. This is done by achieving the most combinations of QSOs and different counties. At the same time, stations within North Carolina try to work everyone with the same goal in mind, except N.C. stations also have states and provinces to count as multipliers in addition to our 100 counties. You can choose to do it using Phone, CW, or both. Everyone who participates must limit their power to 150 watts or less, with additional awards being offered to stations who operate QRP (5 watts or less).

There are some exciting sidebar activities for everyone to try. First, the museum battleship USS North Carolina (BB-55), a ship with rich history and many decorated campaigns, will be on the air from its portage in Wilmington. I am told they will be using the original WWII radios and antennas in the ship's radio room. Their call is NI4BK. Wouldn't that be an exciting one to put in your log! And, you get 50 extra bonus points for working them. Also, our own W4DW club call will be activated to provide an additional 50 points for everyone who works them also.

Be on the lookout for stations in Dare and Cherokee counties, there are bonus points for working those stations as well.

You can choose to different ways to operate, depending on your contesting experience and

desire. If you have a few Field Days under you belt and like that style of operating, go out as an expedition and work 'em from the great outdoors. If you have a station set up at home, by all means spend a leisurely Sunday afternoon handing out your county to all that call. For those who have mobile capability, pack a picnic and drive to some lesser populated county and work mobile—it's a blast! That's what I'm going to be doing, by the way.

If you are new to this whole thing, consider joining a club operation. There will be others present with a wide range of experience from which to learn. Some will be like you, brand new, so you won't be alone. Some will be seasoned

veterans ready to pass on their knowledge and experience. And you'll get to operate a very low-key contest with plenty of help right at your disposal. Joe White, WA4GIR, will be heading up the RARS club station for those interested at the entry level. It's going to be held at Joe's house, so

contact him if you are interested in that.

For these few weeks remaining until the actual event takes place there are a couple of things you can do to prepare. First, go to the website www.ncqsoparty.org, or just use the link on the left hand side of the RARS home page. Once there, join the NCQP reflector. The instructions and link to that are right on the home page. Next, read the rules. There is a plethora of information on what frequency to use, modes, what to say, what to log, how to enter, much more than there is space here to elaborate on. If you have a question, post it to the NCQP reflector. There are many there ready and willing to help, many having multiple years of NCQP experience ready to share. Lastly, of course, get on the air Feb 24!

When the QSO party is all over, send in your log. If you made five QSOs or 500, it doesn't matter. Each and every log is important. We have done our very best to make that process as painless as possible. You can do everything right

See **NC QSO Party**, continued on p. 6



at the website. Of course, you can still e-mail it to us, or send in your paper log.

If all you have is the paper log, don't be shy about sending it to us, we'd rather have it electronically, but if that's what you have, send it! Be sure to fill out the summary sheet available on the web site and include it in the snail mail so we'll know how to categorize it. Everything is due by April 1, 2013.

It has been great fun for me and the committee putting this in place for all to enjoy. Take a moment and look at the bios of the committee members there on the web page. These are top-notch individuals, all dedicated to doing the most excellent job they can for our club and our hobby. There is not a finer group to be had, and it's my pleasure to be a part of it!

Let's warm up those transistor junctions in your radio, get on the air, and have fun! See you in the pile-ups!

Events, Hamfests & Conventions

Charleston Hamfest | Feb. 2

Location: North Charleston, SC

Website: <http://www.wa4usn.org>

Frostfest | Feb. 2

Location: Richmond, VA

Website: <http://www.frostfest.com>

NC QSO Party | Feb. 24

Website: <http://www.rars.org/ncqsoparty>

2013 Charlotte Hamfest™ | Mar. 8-9

Location: Concord, NC

Website: <http://www.charlottehamfest.org>

Raleigh Hamfest | Mar. 30

Location: Raleigh, NC

Website: <http://www.rars.org/hamfest/>

Upstate Hamfest | May 4

Location: Spartanburg, SC

Website: <http://brars.org>

Dayton Hamvention® | May 17-19

Location: Dayton, OH

Website: <http://www.hamvention.org>

Mid-Summer Swapfest | Jul. 20

Location: Cary, NC

Website: <http://www.qsl.net/n4nc/swapfest.html>

www.rars.org

New RARS Members

David Badenchini	KK4NNN
Gregg Buonomo	KE2SX
Bill Medlock	WA3FHM
Brian Stearns	No License

February Birthdays

Sue	W2GHK	02/02
Barbie	N4YRO	02/02
Selene	KG4RMT	02/03
LOS	AF0AA	02/03
Lillian	KC4AYH	02/04
Grady	KJ4RZU	02/05
Art	W2JNW	02/06
Larry	N4LEW	02/07
Bill	KN4IX	02/08
Carl	KU4HM	02/09
Howard	W9AAH	02/09
Buddy	KD4PCD	02/10
Harriette	KF4SER	02/10
Tom	N4TL	02/13
Dennis	AJ4HK	02/13
Mike	K1MW	02/14
Dave	KK4ELT	02/16
Dick	WW4NC	02/16
Rodion	KC8FLD	02/16
Warren	WM2Z	02/18
Howard	N4KYW	02/19
Alan	KA4NSA	02/20
Roger	AK4RS	02/20
Joe	N1LVN	02/21
Jonathan	KJ4PZR	02/22
Charlie	WA3UTC	02/24
Joe	W4TTO	02/25
John	W1JVN	02/25
Bob	WX4MMM	02/26
Hans	W2UF	02/27
Mary	KG4OQA	02/28
Vinny	N2RTF	02/28

Minutes

Board of Directors Meeting *Raleigh Amateur Radio Society* *November 20, 2012*

Present: Bob KI4YXM, Greg KE4PAX, Bob W4TTX, Chuck W3WZN, Hank K4HM, Karl W4CHX, Don WA4AVU, Marty W4MY, Selene KG4RMT

Guests: David KF4VXJ

Apologies and/or emailed reports: Jack N6UYB

1. **Call to order (Karl W4CHX):** Karl W4CHX called the meeting to order at 7:00 p.m.
2. **Approval of minutes (Karl W4CHX):** After discussion, the Minutes of the October 16, 2012 meeting of the RARS Board were approved.
3. **Vice President's report (CJ NC4CJ):** Based on recent email communications, it was reported that a speaker has not been scheduled for the January, 2013 general membership meeting.
4. **Treasurer's report (Greg KE4PAX):** Greg KE4PAX reported that RARS currently has 283 members. For more details on the RARS Budget, any member can contact Greg KE4PAX or Karl W4CHX for further information.
5. **Secretary's report (Bob KI4YXM):** No report
6. **Committee reports:**
 - a. **Public Service Director (John AI4RT):** No report
 - b. **Public Information Officer (Chuck W3WZN):** Chuck W3WZN reported that eight or nine press releases were provided to the local press during 2012. Chuck W3WZN is working with the new RARS Public Information Officer, Ken Rudder, WA4JJW, to "hand-off" duties. Karl W4CHX thanked Chuck W3WZN for his work over the past year and noted that he is the new ARRL State Government Liaison for the NC Section.
 - c. **Education Director (Virginia NC4VA):** No report
 - d. **Field Day Chair (Bob W4TTX):** No report
 - e. **FM Repeater Chair (Karl W4CHX):** Karl W4CHX provided an update on the installation of the 145.13 repeater at the RTP tower site, and the replacement of the building at the Bayleaf tower site. Briefly, the 145.13 repeater and duplexer have been repaired by Danny K4ITL. They will be installed in a rack and transported to the RTP repeater site for the remaining installation steps. Cliff W4FT is working on obtaining permits for replacing the building at the Bayleaf repeater site.

- f. **RARSFest Chair (John AI4RT):** No report
- g. **Exciter Chair (Cathy KA3QPU):** On behalf of Cathy KA3QPU, Don WA4AVU indicated that RARS members are encouraged to “please send articles.”
- h. **Hospitality Chair (Mary Jo K4MJL):** No report
- i. **Net Manager (Mary KG4OQA):** No report
- j. **ARRL Liaison (Chuck K4HF):** No report
- k. **At-Large Director (Don WA4AVU):** Don WA4AVU discussed issues associated with having APRS “up and running” for use during public service events. Following Board discussion, Don WA4AVU will explore setting up APRS service at 2013 Field Day for training and operating activities.
- l. **At-Large Director (Ken KI4OTO):** No report
- m. **At-Large Director (Jack N6UYB):** Based on his email communication, Jack N6UYB has no report.
- n. **W4DW/W4RNC Trustee (Jeff AC4ZO):** No report
- o. **RARS VE Coordinators (Joe WA4GIR and Liz KO4CK):** No report. Karl W4CHX reported that the RARS VE Team conducted examinations at JARSfest on November 18, 2012. During related discussions, a New Business item was introduced as this time (see below).
- p. **RARS Webmaster (Hank K4HM):** Hank K4HM discussed what is being done about spam that tries to infiltrate our web site.
- q. **North Carolina QSO Party (Marty W4MY):** Marty W4MY provided an update on the upcoming NC QSO Party, including:
 - i. W4DW will be the call sign for the club stations.
 - ii. The web page is operational.
 - iii. The rules will be finalized in December.
 - iv. The log interface is being developed and is on schedule.
 - v. Award sponsors from previous years are being given a chance to renew their sponsorship.
 - vi. Marty W4MY visited a recent meeting of the Azalea Coast ARC to present a plaque for activating the USS North Carolina.
 - vii. Marc W4MPS is “holding out” sponsorship opportunities for 2 awards, which are being offered to RARS first, ie, RARS has “first right of refusal” to sponsor these awards. Bob W4TTX made the motion that we sponsor both awards at a cost of \$90.00. The motion was seconded and passed.

7. Old business:

Insurance coverage for RARS (Greg KE4PAX): Greg KE4PAX needs values for the new repeater equipment being installed. Don WA4AVU will provide the serial numbers and values of the RARS-owned APRS equipment.

8. New business and Board Members comments:

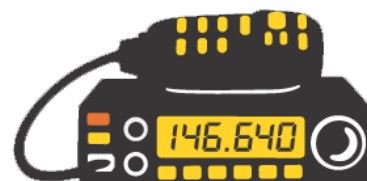
- a. **Complimentary RARS membership for successful examinees following RARS VE testing (Chuck W3WZN):** During discussions of VE testing earlier in the Board meeting, the question was asked, “Should we consider a way for new hams to become familiar with RARS and what we are about?” Chuck W3WZN suggested that we consider providing a free, one-year RARS membership to any individual being examined by our VE team for the first time if they receive a new license or upgrade. The suggestion received favorable comments, but was tabled for future discussions.
- b. **Expenses for snacks at meetings:** Board members expressed concern that the cost of snacks at the general meetings is growing monthly. It was suggested that limiting the amount of food and drink provided to what the donations will cover needs to be done. Karl W4CHX will speak with the new Food Service Chair, Joanne Mars, AK4RJ about the concerns.
- c. **Youth involvement in amateur radio:** Karl W4CHX discussed ways we might consider getting youth more involved in amateur radio, including sponsoring, along with other local clubs, a separate club or organization for young amateur radio operators. Marty W4MY noted that most new hams are people in their mid-forties and numbers of hams are increasing overall. No action was taken on this matter.
- d. **RARS Board meeting for December 2012:** The need for RARS Board meeting in December was discussed. Bob W4TTX made the following motion, which was seconded: “That the currently scheduled board meeting be kept on the calendar but that the president has the option to cancel if there is no pressing business for the board to consider.” The motion passed.

9. Any other business:

Display of plaques and certificates on the RARS website (Hank K4HM): Hank K4HM asked about the status of this project. Karl W4CHX will begin working on this project.

10. Adjournment (Karl W4CHX):

The meeting was adjourned at 8:56 p.m.



Minutes

General Membership Meeting Raleigh Amateur Radio Society January 8, 2013

1. **Call to order (Karl W4CHX):** The meeting was called to order at 7:33 p.m. There were 49 individuals in attendance. The following guests were introduced: Carl (KJ4WD) and Lee Ponto; Ryan Reed, N7RYN; and Bill Medlock, WA3FHM.
2. **Approval of minutes (Karl W4CHX):** The Minutes of the RARS General Membership meeting on December 4, 2012, were approved as presented.
3. **Vice President's report (CJ NC4CJ):** Deferred to later in the meeting.
4. **Treasurer's report (Greg KE4PAX):** Greg KE4PAX reported that RARS has 291 members. If any RARS member has any questions, please contact Greg KE4PAX or Karl W4CHX for further information.
5. **Announcements (Karl W4CHX):**
 - a. **Upcoming RARS events and hamfests:** Karl W4CHX reminded everyone to see the Exciter and the ARRL website for further information.
 - b. **RARS Board meeting:** Karl W4CHX reported that the RARS board meeting is next week 1/15/13. He noted that there will be no RARS dinner this month.
 - c. **After meeting gathering:** The after meeting gathering will be held at Applebee's, Six Forks and Wake Forest Roads (by the Costco).
6. **Reports from RARS Board members and others:**
 - a. **RARSFest (John AI4RT):** John AI4RT asked for volunteers to work at RARSFest.
 - b. **NC QSO Party (W4MY):** Marty reminded everyone that the NC QSO Party (NCQP) is scheduled for 2/24/13. He referred everyone to the NCQP page on the RARS website for details.
7. **Any other business:** None.
8. **Drawing:** The winner of the drawing was Marty W4MY.
9. **Vice President's report (CJ NC4CJ):** CJ NC4CJ reported that the February meeting topic will be the 2012 Sable Island CY0 DXpedition, which will be presented by Ron Oates, AA4VK and Murray Adams, WA4DAN.
10. **Program:** Karl Bowman, W4CHX made a presentation titled, "The Collins 51S-1 HF Communication Receiver."
11. **Adjournment:** The meeting was adjourned at approximately 8:55 p.m.

LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

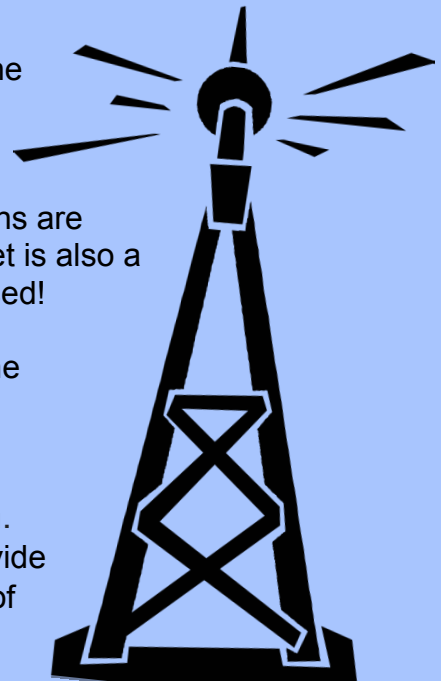
The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:30 p.m.

Join us every evening at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

The **Wake County ARES Net** meets Thursdays at 9:15 p.m. (after the PCTN TrafficNet) on the 146.88 repeater. We provide discussion and training for the implementation and provision of emergency communications for our served agencies, such as the American Red Cross and the local and state Emergency Operations Center. Please join us. For more information please visit <http://www.wakeares.org>.



RARS Classifieds

RARS Members: [Post](#) a new 30 day listing or [Edit](#) your current listings. The items below were listed within the last 30 days.

Cushcraft Model AV-5 80 thru 10 Meter HF Vertical Antenna

Posted January 14th, 2013 by: K4HF

Contact: k4hf@arri.net

This 5 band vertical antenna is used but complete and ready for assembly. It is approximately 27' tall depending on the operating frequencies selected. In good condition and comes with manual. Asking \$90. contact Chuck by E Mail, preferred, or at (919) 872-6555.

Samlex SEC-1235M Switching DC Power Supply

Posted January 9th, 2013 by: AK4RS

Contact: rpsmith1947@hotmail.com

This item is brand new, never used. Obtained directly from Samlex as a replacement for another unit that had malfunctioned while still under the company's 3-year warranty. Purchased another power supply and do not need this unit now. Unit is rated at 13.8VDC @35 amps intermittent, 30 amps continuous duty. There are two separate meters, one for monitoring voltage, and the other for current. Priced new at \$135.00
\$120.00 or best offer.

Comet CMX-2300 Twin Cross-Needle SWR/Power Meters

Posted January 9th, 2013 by: AK4RS

Contact: rpsmith1947@hotmail.com

Like-new condition CMX-2300, used less than 30 days. Left side meter covers 1.8-200 MHz @ 3KW Max. Right side meter covers 140-525 MHz @ 200 W Max. New price is \$219.00
\$175 or best offer.

FT-990 HF XCVR for sale

Posted January 8th, 2013 by: N4HAF

Contact: n4haf@nc.rr.com

The FT990 is an HF 100 watt transceiver with Gen Coverage receiver

This unit comes with a Yaesu Desk Mic and is in good to excellent condition with very low hours of use.

Priced for a quick sale at 600 Dollars.

Contact RD Watson at 919-782-2404 in Raleigh

ICOM IC-735 HF 100 Watt Transceiver with matching PS-55 P. Supply

Posted January 2nd, 2013 by: K4HF

Contact: k4hf@arri.net

This 160 thru 10 Meter transceiver includes the WARC Bands, has Gen. Coverage receive and a digital display. It operates SSB, AM and CW modes. A 500 Hz cw filter is included. Original boxes, hand mike, and manual come with it. The radio and power supply are in excellent condition - \$450.

Contact Chuck by E Mail, preferred, or (919) 872-6555

Panadpter for sale

Posted January 2nd, 2013 by: K4BYN

Contact: louisalexander@nc.rr.com

New LP-Pan2 panadapter. Can be used with free SDR-IQ/IF software to provide the "flex" radio screen controls. I bought to use with Yaesu transceiver but did not enjoy using it, so it is for sale. Less than 2 months old and ready for a new home. Asking \$190. Check it out on Telepost site. Louis, K4BYN.

Want to be a Published Writer?

Everyone has a favorite aspect of amateur radio. From contests to antenna building, there's something for everyone. Why not share your interests, expertise, and experience with RARS in the *Exciter*? We welcome member and non-member/affiliate submissions.

Both technical and non-technical articles are needed for the *Exciter*. You could write up a quick column on QSL cards or a longer how-to piece on setting up a new shack. And don't feel pressured to write a novel; articles of all sizes are appreciated!

To submit an article, simply email your piece to the Editor (editor@rars.org). Please also feel free to attach pictures to accompany your article. It is helpful if you add captions and identify the people in photographs, and have their permission to use their image.



RARS Classifieds

Want to add a new radio to your shack? Have an antenna for sale? Browse the RARS classifieds for new and used radio equipment at <http://rars.org/classifieds.php> or see p. 10 of this newsletter for current listings.

RARS members may post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.

The Raleigh Amateur Radio Society's

EXCITER

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